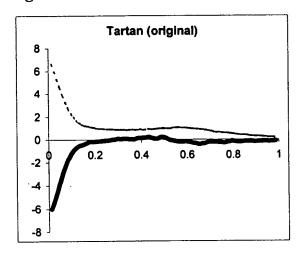
Figure 1a



in the histogram of the copy.

Figure 1b

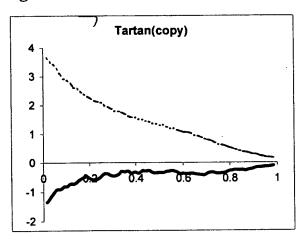


Figure 1: The normalised Histogram Of The Derivative Image (HOTDI) (dotted line) and its first derivative (thick solid line) for a tartan pattern: (a) original, (b) copy.

Note that there is a valley near 0.33 in the HOTDI of the original, but no such feature exists

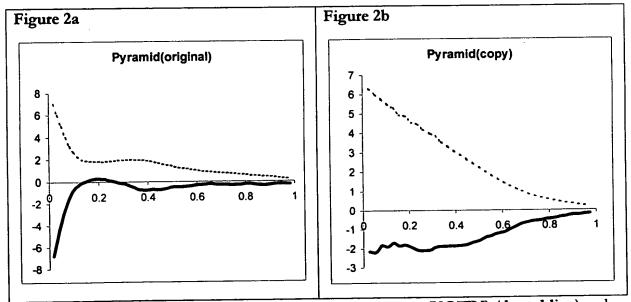


Figure 2: The normalised Histogram Of The Derivative Image (HOTDI) (dotted line) and its first derivative (thick solid line) for a pyramid pattern :(a) original, (b) copy.

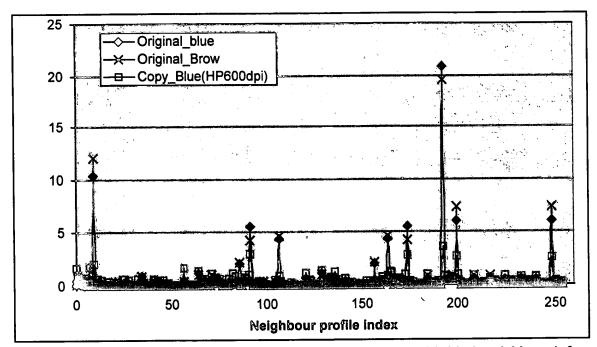


Figure 3a Results of neighbouring profile analysis (black pixel with black neighbours) for two original printings and a copy of the Tartan pattern. Peaks are at: 9; 91; 106; 163; 173; 192; 199 and 248

Figure 3b

4	128	32
1		8
2	64	16

Matrix used for neighbouring profile index: In the centre is the sample pixel.

Figure 3c The neighbouring profiles corresponding to the 8 main peaks in Fig. 3a are (B and W represent black and white respectively):

www	W B W	B B W	ВВВ
в в в	WBW	BBW	ввв
www	W B W	BBW	www
Index=9	index=192	index=199	index=173
W B B	www	WW B	W B B
W B B	ввв	W B B	B B W
W B B	ввв	B B W	B W W
Index=248	index=91	index=106	index=163

Figure 3d

1	2	4
8	16	32
64		128
256	512	1024
2048	4096	8192

Alternative Matrix for Pixel Configuration Index

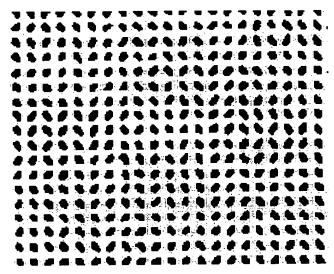


Figure. 4 (a) Glyph pattern

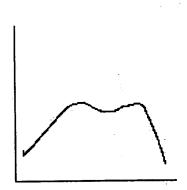


Figure 4(b) Histogram representing glyph quality